



October 21, 2014

ISCO INDUSTRIES INCORPORATED
MARC HARREN
1150 RICHARD STREET
LOMIRA WI 53048

CHEVRON PHILLIPS CHEMICAL COMPANY
PERFORMANCE PIPE
KAREN LIVELY/LOU COMPTON
5085 W PARK BLVD SUITE 500
PLANO TX 75026-9006

Re: Description: PIPES AND FITTINGS, POLYETHYLENE
Manufacturer: CHEVRON PHILLIPS CHEMICAL COMPANY
Product Name: BLUFF INSTALLATION - DRISCOPLEX 4000/4100 SERIES HIGH DENSITY
POLYETHYLENE PIPE
Model Number(s): **4000 DIPS SERIES:** 4, 6, 8, 10, 12, 14, 16, 18, 20, 24, 30, 36 AND 42"
4100 IPS SERIES: 2, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 42, 48
AND 54"
Product File No: 20140247

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters SPS 382 through 384, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an alternate approval to s. SPS 384.30 (3) based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of October 2019.

This alternate approval is contingent upon compliance with the following stipulation(s):

- The maximum slope of installation is 23.5°, [(43.5% grade), (slope = 0.43)].
- Stormwater piping systems shall be sized and installed in accordance with s. SPS 382.36 and the *Handbook of PE Pipe*, second edition. If there is a discrepancy, s. SPS 382.36 shall take precedence.

http://plasticpipe.org/publications/pe_handbook.html

- The method of joining pipe shall be heat fusion.
- Pipe installed above grade shall contain ≥ 2% carbon black.
- A berm or sleeve shall be installed in high traffic areas or any area in which the pipe is subject to a crushing/cutting hazard.
- Thrust blocking shall be installed such that the lateral deflection is ≤ 5%. Thrust blocking shall be in accordance with *Handbook of PE Pipe*, second edition, chapter 8, "Above Ground Applications for PE Pipe":

<http://plasticpipe.org/pdf/chapter08.pdf>

- The installation surface shall be free of boulders, crevices or any irregularity that may place undue stress or abrasion on the pipe.
- The finished installations shall be hydrostatically pressure tested in accordance with *Handbook of PE Pipe*, second edition, chapter 2, "Inspections, Tests and Safety Considerations":

<http://plasticpipe.org/pdf/chapter02.pdf>

- Where applicable, the installation, use, discharge and management of these storm water systems shall be in full compliance with ch. NR 151 Wis. Adm. Code.

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The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Glen W. Schlueter
Environmental Engineer - Plumbing Product Reviewer
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Division of Industry Services
Bureau of Technical Services
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